

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A thermal overload relay comprising:

an ~~actuating mechanism for generating~~ actuator that generates power when an abnormal state ~~is occurred~~ occurs in a circuit between a power source and an electrical load;

a ~~switching mechanism for switching~~ switch that switches contacts ~~to an on state or off state~~ according to the power transferred from the ~~actuating mechanism actuator~~; and

a case ~~for receiving that receives~~ the ~~actuating mechanism actuator~~ and the switching mechanism;

wherein the ~~actuating mechanism including actuator~~ further comprises:

a plurality of main bimetals arranged such that a longitudinally extending direction of each main bimetals is generally ~~in parallel to the~~ a bottom surface of the case ~~for being bended and configured to bend~~ when the abnormal state is ~~occurred~~ occurs;

a plurality of heating ~~member~~ members, each of the heating ~~member~~ members is wound around the a corresponding main bimetal ~~for transferring to transfer~~ heat ~~occurred~~ , occurring due to the abnormal state, to the main bimetal;

a shifter positioned to ~~be contacted one~~ contact ends of the main bimetals and arranged in parallel to the bottom surface of the case ~~for being such~~ that the shifter is horizontally movable by the bending force of the main bimetals; and

a lever connected to the shifter ~~for transferring~~ that transfers the movement force from the shifter to the ~~switching mechanism~~ switch,

wherein a temperature compensation bimetal contacts an end of the lever.

2. (Currently Amended) The thermal overload relay according to claim 1, wherein the shifter ~~comprising~~ comprises an upper shifter and lower shifter ~~so that they are~~ positioned on a vertical plane, wherein each shifter is arranged in substantially generally perpendicular to the ~~one end of the main bimetal~~ ends of the bimetals, and in parallel to the bottom surface of the case.

3. (Currently Amended) The thermal overload relay according to claim 1, wherein the shifter ~~comprising~~ comprises an upper shifter and a lower shifter ~~so that they are~~ positioned on a vertical plane, each shifter is arranged in substantially generally perpendicular to the ~~one end of the main bimetal~~ ends of the main bimetals, and in parallel to the bottom surface of the case, and the shifter further ~~comprising a pair of shaft for connecting~~ comprises shafts that connect the lever to the upper shifter and the lower shifter respectively, so as to

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transfer the displacement amount generated by the bending force of the main bimetals to the ~~switching mechanism~~ switch.